

In the Claims

Applicant submits a new complete claim set showing amended claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please cancel claims 4, 14-16 and 27-35 as indicated below.

Please amend pending claims 1 and 17 as indicated below. No new matter is presented.

1. (Currently amended) An apparatus for providing at least one additive for incorporation in an asphalt, said apparatus comprising:
 - a receptacle constructed and arranged to receive one or more of said additives;
 - a scale adapted to measure respective gravimetric amounts of said one or more additives that are received by the receptacle;
 - a mixer adapted to mix said one or more additives in said receptacle into a blend, said mixer comprising a vertical auger centrally located in said receptacle;
 - a transfer pipe coupled with said receptacle via a rotary valve; and
 - a positive or negative pressure pneumatic source connected to said transfer pipe downstream of the rotary valve for transporting said blend from said receptacle along said transfer pipe.
2. (Original) An apparatus according to claim 1, comprising one or more inlets for said additives that communicate with said receptacle, each of said one or more inlets being respectively compatible with an outlet from a centreless auger to receive said additives.
3. (Original) An apparatus according to claim 1, wherein said scale is adapted to measure gravimetric amounts of materials in said receptacle and comprises one or more load cells tared to account for the weight of said receptacle when empty.
4. (Canceled)

5. (Previously presented) An apparatus according to claim 1, wherein the rotary valve includes a motor-driven rotary valve.
6. (Original) An apparatus according to claim 1, wherein said mixer is adapted to blend pelletised additives.
7. (Previously presented) An apparatus according to claim 1, wherein:
said transfer pipe is connected between said receptacle and an input of an asphalt mixing box.
8. (Previously presented) An apparatus for preparing a blend of additives for incorporation in an asphalt, said apparatus comprising:
a receptacle, having an inlet, for receiving one or more of said additives;
weighing means connected to said receptacle for measuring respective gravimetric amounts of said additives;
mixing means for mixing said additives in said receptacle into a blend;
transfer means for directing said blend of additives from said receptacle, said transfer means including a transfer pipe coupled to said receptacle via a rotary valve;
a control system having an input from said weighing means and control outputs to said inlet of said receptacle and to said mixing means and said transfer means, said control system being programmable to regulate receipt of said additives through said receptacle inlet based on gravimetric amounts of additives measured by said weighing means until a desired total amount of said additives in desired proportions thereof is achieved, and to operate said mixing means and said transfer means sequentially thereafter; and
a positive or negative pressure pneumatic source connected to said transfer pipe downstream of the rotary valve for transporting said blend from said receptacle along said transfer pipe.

9. (Original) An apparatus according to claim 8, comprising one or more inlets for said additives, each of said inlets being respectively compatible with an outlet from a centreless auger.
10. (Original) An apparatus according to claim 8, wherein said weighing means comprises one or more load cells tared to account for a weight of said receptacle when empty.
11. (Original) An apparatus according to claim 8, wherein said mixing means comprises a vertical auger centrally located in said receptacle.
12. (Previously presented) An apparatus according to claim 8, wherein the rotary valve includes a motor-driven rotary valve.
13. (Original) An apparatus according to claim 8, adapted to blend pelletised additives.
- 14-16. (Canceled)
17. (Currently amended) An apparatus for delivering additives for incorporation in an asphalt to an asphalt mixing box, said apparatus comprising:
- a receptacle constructed and arranged to receive said additives, said receptacle having an input for said additives locatable at a level substantially lower than an input for said asphalt mixing box;
 - weighing means connected to said receptacle for measuring respective gravimetric amounts of said additives;
 - a mixer adapted to mix said additives and prepare a blend;
 - a transfer pipe between an output of said receptacle and an input of said asphalt mixing box;

transfer means for directing said blend of additives from said receptacle to said transfer pipe;

a pneumatic pressure source connected to said transfer pipe downstream of said output of said receptacle that conveys said blend along said transfer pipe from near the output of said receptacle to the input of said asphalt mixing box; and

a control system having an input from said weighing means and control outputs to an inlet of said receptacle and to said mixer and said transfer means, said control system being programmable to regulate receipt of said additives through said receptacle input ~~inlet~~-based on gravimetric amounts of additives measured by said weighing means until a desired total amount of said additives in desired proportions thereof is achieved, and to operate said mixer ~~mixing means~~ and said transfer means sequentially thereafter.

18. (Original) An apparatus according to claim 17, wherein said transfer pipe includes a vertical portion thereof.

19. (Original) An apparatus according to claim 17, further comprising a valve that regulates pressure developed by said pneumatic pressure source.

20. (Original) An apparatus according to claim 17, further comprising means for diverting pressure developed by said pneumatic pressure source from said transfer pipe to an exhaust.

21. (Original) An apparatus according to claim 17, adapted to deliver pelletised additives to said asphalt mixing box.

22-24. (Cancelled)

25. (Previously presented) An apparatus according to claim 17, further comprising; means for diverting pressure from said transfer pipe to an exhaust, and wherein said control system has a control output to said pressure diverting means and is programmable to operate said pressure diverting means in coordination with said transfer means.

26. (Original) An apparatus according to claim 25, adapted to deliver pelletised additives to said asphalt mixing box.

27-35. (Canceled)